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PHOTOGRAPHIC INTELLIGENCE REPORT

NOVO-GROZNY PETROLEUM REFINERY

GROZNY, USSR

Declassification Review by NIMA / DoD

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NOVO-GROZNY PETROLEUM REFINERY
GROZNY, USSR

1. The Novo-Grozny Petroleum Refinery is located five nautical miles southwest of the center of the city of Grozny, USSR and two nautical miles southwest of the Grozny Petroleum Refinery (Figures 2 and 5). Approximate geographic coordinates for the center of this refinery are 43 15N - 45 37E and its orientation is northeast/southwest.

The refinery is approximately rectangular in shape with maximum dimensions of 3,800 feet by 1,700 feet and it covers a total area of approximately 11,000,000 square feet. It is served by road, rail, and probably by pipeline.

Photography over the refinery reveals that it is a small refinery with two distillation units, three catalytic cracking units, additional refining and processing facilities, and POL tank storage. A more detailed discussion of these facilities is given in part 2, section a.

25X1D [REDACTED] Examination of all available photographic coverage from [REDACTED] indicates that the refinery was active during this period. An increasing amount of staining around the flare tower is apparent and smoke can be seen coming from several refining units. In addition, a number of units and buildings producing or using heat can be seen on photography with snow cover.

25X1D

Changes and construction activity at the refinery have been relatively minor during this period. A new rail spur is under construction as well as a new refining unit. Details concerning these and other changes are discussed in part 2, section b.

2. The limits of and the various sections within the Novo-Grozny Petroleum Refinery are shown on Figure 4.

a. The annotations on Figure 4 correspond to the following discussion of facilities present at the refinery.

- (1) Water treating facilities.
- (2) Administration building.
- (3) Warehousing/maintenance area.
- (4) Two processing buildings connected by an overhead pipeline.
- (5) Warehousing/maintenance area.
- (6) Three catalytic cracking units (probable thermoform type).

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- (7) Probable vapor recovery and polymerization area; a probable vapor recovery unit is located at the south end of the area and a probable polymerization unit at the north end.
- (8) Intermediate and/or final product storage area.
- (9) Process building connected by a steamline to the refining area.
- (10) Probable processing and packaging area, rail served. The area includes two large, L-shaped processing buildings, two packaging/warehouse buildings situated along a rail spur on the northwest side of the area, a number of processing or warehouse/maintenance type buildings, POL tanks, and cooling towers.
- (11) Warehousing/maintenance area.
- (12) Two distillation units and associated facilities.
- (13) Area with cooling towers and water treating facilities.
- (14) Suspect distillation unit in a late stage of construction as of [REDACTED]
- (15) Flare tower.
- (16) Temporary construction buildings and open materiel storage.
- (17) Tank farm, including several warehouse/maintenance type buildings and possible pump houses.
- (18) Tankcar loading and unloading facility, including a number of POL tanks and small buildings.

Facilities adjacent to but not part of the refinery are annotated by the following letters on Figure 4:

- (a) Petrochemical plant probably producing phenol and synthetic alcohol and possibly polyethylene.
- (b) Tank farm with vertical and horizontal tanks, apparently associated with the petrochemical plant.
- (c) Heat and power plant, serving the refinery and the petrochemical plant.
- (d) Possible organic solvents plant.

b. Construction activity and changes at the refinery during the period [REDACTED] include the following (annotation numbers refer to Figure 4):

- (1) Construction of additional water treating facilities in Annotation 1 was in progress in [REDACTED]
- (2) Two small, probable gasholders situated between the two units in Annotation 7 in [REDACTED] appear to have been removed since then.

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- 25X1D (3) A probable warehouse was constructed along the rail spur on the northwest side of Annotation 10 prior to [REDACTED] 25X1D
- 25X1D (4) Construction of the suspect distillation unit in Annotation 14 began prior to [REDACTED] and had reached an advanced stage by [REDACTED] 25X1D
- 25X1D (5) Construction of an additional rail spur between the existing rail spurs in the tankcar loading and unloading facility (Annotation 18) began prior to [REDACTED] 25X1D
- 25X1D The rail spur is covered by snow on photography of [REDACTED] indicating that it was not in use at that time.

3. All measurements have been made by the CIA/IAD/IB project analyst. They should be considered as approximate and must not be taken as official NPIC mensuration data compiled by the Technical Intelligence Division, NPIC.

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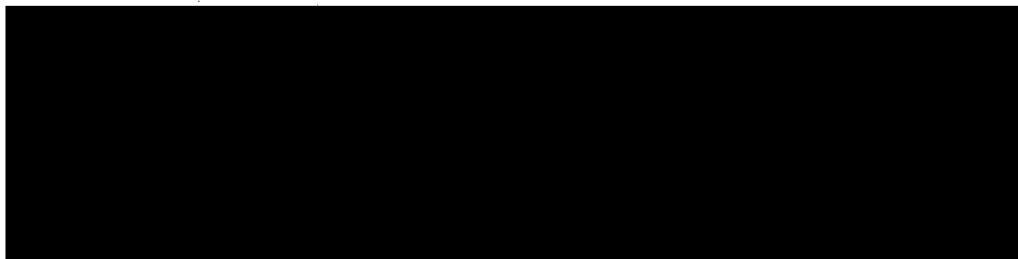
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REFERENCES

PHOTOGRAPHY

25X1D



MAPS OR CHARTS

General Locator Map, USSR (UNCLASSIFIED)
ACIC US Air Target Chart, Series 200, Sheet 0325-2HL, 2nd Edition,
(SECRET)

REQUIREMENT

CIA. C-RR5-82,475

CIA/IAD PROJECT

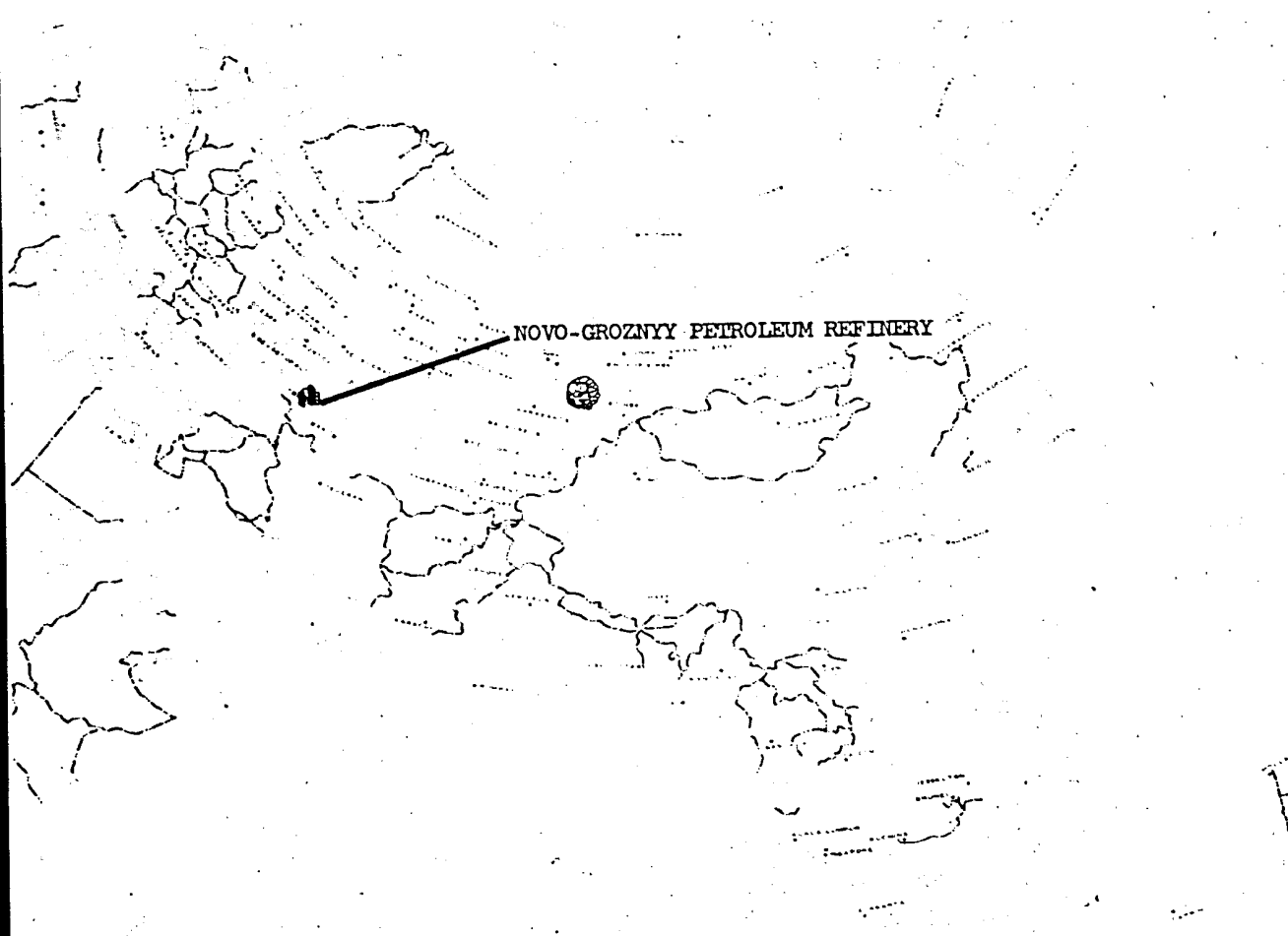
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FIGURE 1



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FIGURE 3

NOVO - GROZNY
PETROLEUM REFINERY
GROZNY, USSR
43 15N - 45 37E

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FIGURE 4

NOVO - GROZNY
PETROLEUM REFINERY
GROZNY, USSR
43 15N - 45 37E

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FIGURE 5

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PETROLEUM REFINERY
GROZNY, USSR
43 15N - 45 37E

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